

Hydrogen Fuel Cells Market, Global Outlook and Forecast 2022-2028

<https://marketpublishers.com/r/HEE6EC8F6677EN.html>

Date: June 2022

Pages: 110

Price: US\$ 3,250.00 (Single User License)

ID: HEE6EC8F6677EN

Abstracts

This report studies the Hydrogen Fuel Cell market, Hydrogen Fuel Cell use hydrogen as a chemical element, and are made into batteries that store energy. The basic principle is the reverse reaction of electrolysis of water, hydrogen and oxygen were supplied to the cathode and anode, hydrogen diffusion through the cathode and the electrolyte reaction, the release of electrons through the external load to reach the anode.

A hydrogen fuel cell is a power plant that utilizes the inverse process of electrolyzed water to generate electricity as well as the only emissions: water. Clean and environmentally friendly, and high energy density, compared to the battery on the market can have a longer battery life.

This report contains market size and forecasts of Hydrogen Fuel Cells in global, including the following market information:

Global Hydrogen Fuel Cells Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Hydrogen Fuel Cells Market Sales, 2017-2022, 2023-2028, (MW)

Global top five Hydrogen Fuel Cells companies in 2021 (%)

The global Hydrogen Fuel Cells market was valued at 3099.2 million in 2021 and is projected to reach US\$ 16330 million by 2028, at a CAGR of 26.8% during the forecast period 2022-2028.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

PEMFC Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Hydrogen Fuel Cells include Panasonic, Plug Power, Toshiba ESS, Bloom Energy, Ballard, SinoHytec, Hydrogenics, Honda and Hyundai Mobis, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Hydrogen Fuel Cells manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Hydrogen Fuel Cells Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (MW)

Global Hydrogen Fuel Cells Market Segment Percentages, by Type, 2021 (%)

PEMFC

SOFC

Global Hydrogen Fuel Cells Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (MW)

Global Hydrogen Fuel Cells Market Segment Percentages, by Application, 2021 (%)

Distributed Generation

Car

Ship

Mobile Power Supply

Global Hydrogen Fuel Cells Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (MW)

Global Hydrogen Fuel Cells Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Hydrogen Fuel Cells revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Hydrogen Fuel Cells revenues share in global market, 2021 (%)

Key companies Hydrogen Fuel Cells sales in global market, 2017-2022 (Estimated), (MW)

Key companies Hydrogen Fuel Cells sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Panasonic

Plug Power

Toshiba ESS

Bloom Energy

Ballard

SinoHytec

Hydrogenics

Honda

Hyundai Mobis

Toyota Denso

Elring Klinger

Bosch/Powercell

Symbio

Pearl Hydrogen

Sunrise Power

Hyster-Yale Group

Advent Technologies

GenCell

Nikola

Contents

1 INTRODUCTION TO RESEARCH & ANALYSIS REPORTS

- 1.1 Hydrogen Fuel Cells Market Definition
- 1.2 Market Segments
 - 1.2.1 Market by Type
 - 1.2.2 Market by Application
- 1.3 Global Hydrogen Fuel Cells Market Overview
- 1.4 Features & Benefits of This Report
- 1.5 Methodology & Sources of Information
 - 1.5.1 Research Methodology
 - 1.5.2 Research Process
 - 1.5.3 Base Year
 - 1.5.4 Report Assumptions & Caveats

2 GLOBAL HYDROGEN FUEL CELLS OVERALL MARKET SIZE

- 2.1 Global Hydrogen Fuel Cells Market Size: 2021 VS 2028
- 2.2 Global Hydrogen Fuel Cells Revenue, Prospects & Forecasts: 2017-2028
- 2.3 Global Hydrogen Fuel Cells Sales: 2017-2028

3 COMPANY LANDSCAPE

- 3.1 Top Hydrogen Fuel Cells Players in Global Market
- 3.2 Top Global Hydrogen Fuel Cells Companies Ranked by Revenue
- 3.3 Global Hydrogen Fuel Cells Revenue by Companies
- 3.4 Global Hydrogen Fuel Cells Sales by Companies
- 3.5 Global Hydrogen Fuel Cells Price by Manufacturer (2017-2022)
- 3.6 Top 3 and Top 5 Hydrogen Fuel Cells Companies in Global Market, by Revenue in 2021
- 3.7 Global Manufacturers Hydrogen Fuel Cells Product Type
- 3.8 Tier 1, Tier 2 and Tier 3 Hydrogen Fuel Cells Players in Global Market
 - 3.8.1 List of Global Tier 1 Hydrogen Fuel Cells Companies
 - 3.8.2 List of Global Tier 2 and Tier 3 Hydrogen Fuel Cells Companies

4 SIGHTS BY PRODUCT

- 4.1 Overview

- 4.1.1 By Type - Global Hydrogen Fuel Cells Market Size Markets, 2021 & 2028
- 4.1.2 PEMFC
- 4.1.3 SOFC
- 4.2 By Type - Global Hydrogen Fuel Cells Revenue & Forecasts
 - 4.2.1 By Type - Global Hydrogen Fuel Cells Revenue, 2017-2022
 - 4.2.2 By Type - Global Hydrogen Fuel Cells Revenue, 2023-2028
 - 4.2.3 By Type - Global Hydrogen Fuel Cells Revenue Market Share, 2017-2028
- 4.3 By Type - Global Hydrogen Fuel Cells Sales & Forecasts
 - 4.3.1 By Type - Global Hydrogen Fuel Cells Sales, 2017-2022
 - 4.3.2 By Type - Global Hydrogen Fuel Cells Sales, 2023-2028
 - 4.3.3 By Type - Global Hydrogen Fuel Cells Sales Market Share, 2017-2028
- 4.4 By Type - Global Hydrogen Fuel Cells Price (Manufacturers Selling Prices), 2017-2028

5 SIGHTS BY APPLICATION

5.1 Overview

- 5.1.1 By Application - Global Hydrogen Fuel Cells Market Size, 2021 & 2028
- 5.1.2 Distributed Generation
- 5.1.3 Car
- 5.1.4 Ship
- 5.1.5 Mobile Power Supply
- 5.2 By Application - Global Hydrogen Fuel Cells Revenue & Forecasts
 - 5.2.1 By Application - Global Hydrogen Fuel Cells Revenue, 2017-2022
 - 5.2.2 By Application - Global Hydrogen Fuel Cells Revenue, 2023-2028
 - 5.2.3 By Application - Global Hydrogen Fuel Cells Revenue Market Share, 2017-2028
- 5.3 By Application - Global Hydrogen Fuel Cells Sales & Forecasts
 - 5.3.1 By Application - Global Hydrogen Fuel Cells Sales, 2017-2022
 - 5.3.2 By Application - Global Hydrogen Fuel Cells Sales, 2023-2028
 - 5.3.3 By Application - Global Hydrogen Fuel Cells Sales Market Share, 2017-2028
- 5.4 By Application - Global Hydrogen Fuel Cells Price (Manufacturers Selling Prices), 2017-2028

6 SIGHTS BY REGION

- 6.1 By Region - Global Hydrogen Fuel Cells Market Size, 2021 & 2028
- 6.2 By Region - Global Hydrogen Fuel Cells Revenue & Forecasts
 - 6.2.1 By Region - Global Hydrogen Fuel Cells Revenue, 2017-2022
 - 6.2.2 By Region - Global Hydrogen Fuel Cells Revenue, 2023-2028

- 6.2.3 By Region - Global Hydrogen Fuel Cells Revenue Market Share, 2017-2028
- 6.3 By Region - Global Hydrogen Fuel Cells Sales & Forecasts
 - 6.3.1 By Region - Global Hydrogen Fuel Cells Sales, 2017-2022
 - 6.3.2 By Region - Global Hydrogen Fuel Cells Sales, 2023-2028
 - 6.3.3 By Region - Global Hydrogen Fuel Cells Sales Market Share, 2017-2028
- 6.4 North America
 - 6.4.1 By Country - North America Hydrogen Fuel Cells Revenue, 2017-2028
 - 6.4.2 By Country - North America Hydrogen Fuel Cells Sales, 2017-2028
 - 6.4.3 US Hydrogen Fuel Cells Market Size, 2017-2028
 - 6.4.4 Canada Hydrogen Fuel Cells Market Size, 2017-2028
 - 6.4.5 Mexico Hydrogen Fuel Cells Market Size, 2017-2028
- 6.5 Europe
 - 6.5.1 By Country - Europe Hydrogen Fuel Cells Revenue, 2017-2028
 - 6.5.2 By Country - Europe Hydrogen Fuel Cells Sales, 2017-2028
 - 6.5.3 Germany Hydrogen Fuel Cells Market Size, 2017-2028
 - 6.5.4 France Hydrogen Fuel Cells Market Size, 2017-2028
 - 6.5.5 U.K. Hydrogen Fuel Cells Market Size, 2017-2028
 - 6.5.6 Italy Hydrogen Fuel Cells Market Size, 2017-2028
 - 6.5.7 Russia Hydrogen Fuel Cells Market Size, 2017-2028
 - 6.5.8 Nordic Countries Hydrogen Fuel Cells Market Size, 2017-2028
 - 6.5.9 Benelux Hydrogen Fuel Cells Market Size, 2017-2028
- 6.6 Asia
 - 6.6.1 By Region - Asia Hydrogen Fuel Cells Revenue, 2017-2028
 - 6.6.2 By Region - Asia Hydrogen Fuel Cells Sales, 2017-2028
 - 6.6.3 China Hydrogen Fuel Cells Market Size, 2017-2028
 - 6.6.4 Japan Hydrogen Fuel Cells Market Size, 2017-2028
 - 6.6.5 South Korea Hydrogen Fuel Cells Market Size, 2017-2028
 - 6.6.6 Southeast Asia Hydrogen Fuel Cells Market Size, 2017-2028
 - 6.6.7 India Hydrogen Fuel Cells Market Size, 2017-2028
- 6.7 South America
 - 6.7.1 By Country - South America Hydrogen Fuel Cells Revenue, 2017-2028
 - 6.7.2 By Country - South America Hydrogen Fuel Cells Sales, 2017-2028
 - 6.7.3 Brazil Hydrogen Fuel Cells Market Size, 2017-2028
 - 6.7.4 Argentina Hydrogen Fuel Cells Market Size, 2017-2028
- 6.8 Middle East & Africa
 - 6.8.1 By Country - Middle East & Africa Hydrogen Fuel Cells Revenue, 2017-2028
 - 6.8.2 By Country - Middle East & Africa Hydrogen Fuel Cells Sales, 2017-2028
 - 6.8.3 Turkey Hydrogen Fuel Cells Market Size, 2017-2028
 - 6.8.4 Israel Hydrogen Fuel Cells Market Size, 2017-2028

6.8.5 Saudi Arabia Hydrogen Fuel Cells Market Size, 2017-2028

6.8.6 UAE Hydrogen Fuel Cells Market Size, 2017-2028

7 MANUFACTURERS & BRANDS PROFILES

7.1 Panasonic

7.1.1 Panasonic Corporate Summary

7.1.2 Panasonic Business Overview

7.1.3 Panasonic Hydrogen Fuel Cells Major Product Offerings

7.1.4 Panasonic Hydrogen Fuel Cells Sales and Revenue in Global (2017-2022)

7.1.5 Panasonic Key News

7.2 Plug Power

7.2.1 Plug Power Corporate Summary

7.2.2 Plug Power Business Overview

7.2.3 Plug Power Hydrogen Fuel Cells Major Product Offerings

7.2.4 Plug Power Hydrogen Fuel Cells Sales and Revenue in Global (2017-2022)

7.2.5 Plug Power Key News

7.3 Toshiba ESS

7.3.1 Toshiba ESS Corporate Summary

7.3.2 Toshiba ESS Business Overview

7.3.3 Toshiba ESS Hydrogen Fuel Cells Major Product Offerings

7.3.4 Toshiba ESS Hydrogen Fuel Cells Sales and Revenue in Global (2017-2022)

7.3.5 Toshiba ESS Key News

7.4 Bloom Energy

7.4.1 Bloom Energy Corporate Summary

7.4.2 Bloom Energy Business Overview

7.4.3 Bloom Energy Hydrogen Fuel Cells Major Product Offerings

7.4.4 Bloom Energy Hydrogen Fuel Cells Sales and Revenue in Global (2017-2022)

7.4.5 Bloom Energy Key News

7.5 Ballard

7.5.1 Ballard Corporate Summary

7.5.2 Ballard Business Overview

7.5.3 Ballard Hydrogen Fuel Cells Major Product Offerings

7.5.4 Ballard Hydrogen Fuel Cells Sales and Revenue in Global (2017-2022)

7.5.5 Ballard Key News

7.6 SinoHytec

7.6.1 SinoHytec Corporate Summary

7.6.2 SinoHytec Business Overview

7.6.3 SinoHytec Hydrogen Fuel Cells Major Product Offerings

- 7.6.4 SinoHytec Hydrogen Fuel Cells Sales and Revenue in Global (2017-2022)
- 7.6.5 SinoHytec Key News
- 7.7 Hydrogenics
 - 7.7.1 Hydrogenics Corporate Summary
 - 7.7.2 Hydrogenics Business Overview
 - 7.7.3 Hydrogenics Hydrogen Fuel Cells Major Product Offerings
 - 7.7.4 Hydrogenics Hydrogen Fuel Cells Sales and Revenue in Global (2017-2022)
 - 7.7.5 Hydrogenics Key News
- 7.8 Honda
 - 7.8.1 Honda Corporate Summary
 - 7.8.2 Honda Business Overview
 - 7.8.3 Honda Hydrogen Fuel Cells Major Product Offerings
 - 7.8.4 Honda Hydrogen Fuel Cells Sales and Revenue in Global (2017-2022)
 - 7.8.5 Honda Key News
- 7.9 Hyundai Mobis
 - 7.9.1 Hyundai Mobis Corporate Summary
 - 7.9.2 Hyundai Mobis Business Overview
 - 7.9.3 Hyundai Mobis Hydrogen Fuel Cells Major Product Offerings
 - 7.9.4 Hyundai Mobis Hydrogen Fuel Cells Sales and Revenue in Global (2017-2022)
 - 7.9.5 Hyundai Mobis Key News
- 7.10 Toyota Denso
 - 7.10.1 Toyota Denso Corporate Summary
 - 7.10.2 Toyota Denso Business Overview
 - 7.10.3 Toyota Denso Hydrogen Fuel Cells Major Product Offerings
 - 7.10.4 Toyota Denso Hydrogen Fuel Cells Sales and Revenue in Global (2017-2022)
 - 7.10.5 Toyota Denso Key News
- 7.11 Elring Klinger
 - 7.11.1 Elring Klinger Corporate Summary
 - 7.11.2 Elring Klinger Hydrogen Fuel Cells Business Overview
 - 7.11.3 Elring Klinger Hydrogen Fuel Cells Major Product Offerings
 - 7.11.4 Elring Klinger Hydrogen Fuel Cells Sales and Revenue in Global (2017-2022)
 - 7.11.5 Elring Klinger Key News
- 7.12 Bosch/Powercell
 - 7.12.1 Bosch/Powercell Corporate Summary
 - 7.12.2 Bosch/Powercell Hydrogen Fuel Cells Business Overview
 - 7.12.3 Bosch/Powercell Hydrogen Fuel Cells Major Product Offerings
 - 7.12.4 Bosch/Powercell Hydrogen Fuel Cells Sales and Revenue in Global (2017-2022)
 - 7.12.5 Bosch/Powercell Key News

7.13 Symbio

7.13.1 Symbio Corporate Summary

7.13.2 Symbio Hydrogen Fuel Cells Business Overview

7.13.3 Symbio Hydrogen Fuel Cells Major Product Offerings

7.13.4 Symbio Hydrogen Fuel Cells Sales and Revenue in Global (2017-2022)

7.13.5 Symbio Key News

7.14 Pearl Hydrogen

7.14.1 Pearl Hydrogen Corporate Summary

7.14.2 Pearl Hydrogen Business Overview

7.14.3 Pearl Hydrogen Hydrogen Fuel Cells Major Product Offerings

7.14.4 Pearl Hydrogen Hydrogen Fuel Cells Sales and Revenue in Global (2017-2022)

7.14.5 Pearl Hydrogen Key News

7.15 Sunrise Power

7.15.1 Sunrise Power Corporate Summary

7.15.2 Sunrise Power Business Overview

7.15.3 Sunrise Power Hydrogen Fuel Cells Major Product Offerings

7.15.4 Sunrise Power Hydrogen Fuel Cells Sales and Revenue in Global (2017-2022)

7.15.5 Sunrise Power Key News

7.16 Hyster-Yale Group

7.16.1 Hyster-Yale Group Corporate Summary

7.16.2 Hyster-Yale Group Business Overview

7.16.3 Hyster-Yale Group Hydrogen Fuel Cells Major Product Offerings

7.16.4 Hyster-Yale Group Hydrogen Fuel Cells Sales and Revenue in Global (2017-2022)

7.16.5 Hyster-Yale Group Key News

7.17 Advent Technologies

7.17.1 Advent Technologies Corporate Summary

7.17.2 Advent Technologies Business Overview

7.17.3 Advent Technologies Hydrogen Fuel Cells Major Product Offerings

7.17.4 Advent Technologies Hydrogen Fuel Cells Sales and Revenue in Global (2017-2022)

7.17.5 Advent Technologies Key News

7.18 GenCell

7.18.1 GenCell Corporate Summary

7.18.2 GenCell Business Overview

7.18.3 GenCell Hydrogen Fuel Cells Major Product Offerings

7.18.4 GenCell Hydrogen Fuel Cells Sales and Revenue in Global (2017-2022)

7.18.5 GenCell Key News

7.19 Nikola

- 7.19.1 Nikola Corporate Summary
- 7.19.2 Nikola Business Overview
- 7.19.3 Nikola Hydrogen Fuel Cells Major Product Offerings
- 7.19.4 Nikola Hydrogen Fuel Cells Sales and Revenue in Global (2017-2022)
- 7.19.5 Nikola Key News

8 GLOBAL HYDROGEN FUEL CELLS PRODUCTION CAPACITY, ANALYSIS

- 8.1 Global Hydrogen Fuel Cells Production Capacity, 2017-2028
- 8.2 Hydrogen Fuel Cells Production Capacity of Key Manufacturers in Global Market
- 8.3 Global Hydrogen Fuel Cells Production by Region

9 KEY MARKET TRENDS, OPPORTUNITY, DRIVERS AND RESTRAINTS

- 9.1 Market Opportunities & Trends
- 9.2 Market Drivers
- 9.3 Market Restraints

10 HYDROGEN FUEL CELLS SUPPLY CHAIN ANALYSIS

- 10.1 Hydrogen Fuel Cells Industry Value Chain
- 10.2 Hydrogen Fuel Cells Upstream Market
- 10.3 Hydrogen Fuel Cells Downstream and Clients
- 10.4 Marketing Channels Analysis
 - 10.4.1 Marketing Channels
 - 10.4.2 Hydrogen Fuel Cells Distributors and Sales Agents in Global

11 CONCLUSION

12 APPENDIX

- 12.1 Note
- 12.2 Examples of Clients
- 12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Key Players of Hydrogen Fuel Cells in Global Market

Table 2. Top Hydrogen Fuel Cells Players in Global Market, Ranking by Revenue (2021)

Table 3. Global Hydrogen Fuel Cells Revenue by Companies, (US\$, Mn), 2017-2022

Table 4. Global Hydrogen Fuel Cells Revenue Share by Companies, 2017-2022

Table 5. Global Hydrogen Fuel Cells Sales by Companies, (MW), 2017-2022

Table 6. Global Hydrogen Fuel Cells Sales Share by Companies, 2017-2022

Table 7. Key Manufacturers Hydrogen Fuel Cells Price (2017-2022) & (USD/KW)

Table 8. Global Manufacturers Hydrogen Fuel Cells Product Type

Table 9. List of Global Tier 1 Hydrogen Fuel Cells Companies, Revenue (US\$, Mn) in 2021 and Market Share

Table 10. List of Global Tier 2 and Tier 3 Hydrogen Fuel Cells Companies, Revenue (US\$, Mn) in 2021 and Market Share

Table 11. By Type – Global Hydrogen Fuel Cells Revenue, (US\$, Mn), 2021 & 2028

Table 12. By Type - Global Hydrogen Fuel Cells Revenue (US\$, Mn), 2017-2022

Table 13. By Type - Global Hydrogen Fuel Cells Revenue (US\$, Mn), 2023-2028

Table 14. By Type - Global Hydrogen Fuel Cells Sales (MW), 2017-2022

Table 15. By Type - Global Hydrogen Fuel Cells Sales (MW), 2023-2028

Table 16. By Application – Global Hydrogen Fuel Cells Revenue, (US\$, Mn), 2021 & 2028

Table 17. By Application - Global Hydrogen Fuel Cells Revenue (US\$, Mn), 2017-2022

Table 18. By Application - Global Hydrogen Fuel Cells Revenue (US\$, Mn), 2023-2028

Table 19. By Application - Global Hydrogen Fuel Cells Sales (MW), 2017-2022

Table 20. By Application - Global Hydrogen Fuel Cells Sales (MW), 2023-2028

Table 21. By Region – Global Hydrogen Fuel Cells Revenue, (US\$, Mn), 2021 VS 2028

Table 22. By Region - Global Hydrogen Fuel Cells Revenue (US\$, Mn), 2017-2022

Table 23. By Region - Global Hydrogen Fuel Cells Revenue (US\$, Mn), 2023-2028

Table 24. By Region - Global Hydrogen Fuel Cells Sales (MW), 2017-2022

Table 25. By Region - Global Hydrogen Fuel Cells Sales (MW), 2023-2028

Table 26. By Country - North America Hydrogen Fuel Cells Revenue, (US\$, Mn), 2017-2022

Table 27. By Country - North America Hydrogen Fuel Cells Revenue, (US\$, Mn), 2023-2028

Table 28. By Country - North America Hydrogen Fuel Cells Sales, (MW), 2017-2022

Table 29. By Country - North America Hydrogen Fuel Cells Sales, (MW), 2023-2028

Table 30. By Country - Europe Hydrogen Fuel Cells Revenue, (US\$, Mn), 2017-2022

Table 31. By Country - Europe Hydrogen Fuel Cells Revenue, (US\$, Mn), 2023-2028

Table 32. By Country - Europe Hydrogen Fuel Cells Sales, (MW), 2017-2022

Table 33. By Country - Europe Hydrogen Fuel Cells Sales, (MW), 2023-2028

Table 34. By Region - Asia Hydrogen Fuel Cells Revenue, (US\$, Mn), 2017-2022

Table 35. By Region - Asia Hydrogen Fuel Cells Revenue, (US\$, Mn), 2023-2028

Table 36. By Region - Asia Hydrogen Fuel Cells Sales, (MW), 2017-2022

Table 37. By Region - Asia Hydrogen Fuel Cells Sales, (MW), 2023-2028

Table 38. By Country - South America Hydrogen Fuel Cells Revenue, (US\$, Mn), 2017-2022

Table 39. By Country - South America Hydrogen Fuel Cells Revenue, (US\$, Mn), 2023-2028

Table 40. By Country - South America Hydrogen Fuel Cells Sales, (MW), 2017-2022

Table 41. By Country - South America Hydrogen Fuel Cells Sales, (MW), 2023-2028

Table 42. By Country - Middle East & Africa Hydrogen Fuel Cells Revenue, (US\$, Mn), 2017-2022

Table 43. By Country - Middle East & Africa Hydrogen Fuel Cells Revenue, (US\$, Mn), 2023-2028

Table 44. By Country - Middle East & Africa Hydrogen Fuel Cells Sales, (MW), 2017-2022

Table 45. By Country - Middle East & Africa Hydrogen Fuel Cells Sales, (MW), 2023-2028

Table 46. Panasonic Corporate Summary

Table 47. Panasonic Hydrogen Fuel Cells Product Offerings

Table 48. Panasonic Hydrogen Fuel Cells Sales (MW), Revenue (US\$, Mn) and Average Price (USD/KW) (2017-2022)

Table 49. Plug Power Corporate Summary

Table 50. Plug Power Hydrogen Fuel Cells Product Offerings

Table 51. Plug Power Hydrogen Fuel Cells Sales (MW), Revenue (US\$, Mn) and Average Price (USD/KW) (2017-2022)

Table 52. Toshiba ESS Corporate Summary

Table 53. Toshiba ESS Hydrogen Fuel Cells Product Offerings

Table 54. Toshiba ESS Hydrogen Fuel Cells Sales (MW), Revenue (US\$, Mn) and Average Price (USD/KW) (2017-2022)

Table 55. Bloom Energy Corporate Summary

Table 56. Bloom Energy Hydrogen Fuel Cells Product Offerings

Table 57. Bloom Energy Hydrogen Fuel Cells Sales (MW), Revenue (US\$, Mn) and Average Price (USD/KW) (2017-2022)

Table 58. Ballard Corporate Summary

- Table 59. Ballard Hydrogen Fuel Cells Product Offerings
- Table 60. Ballard Hydrogen Fuel Cells Sales (MW), Revenue (US\$, Mn) and Average Price (USD/KW) (2017-2022)
- Table 61. SinoHytec Corporate Summary
- Table 62. SinoHytec Hydrogen Fuel Cells Product Offerings
- Table 63. SinoHytec Hydrogen Fuel Cells Sales (MW), Revenue (US\$, Mn) and Average Price (USD/KW) (2017-2022)
- Table 64. Hydrogenics Corporate Summary
- Table 65. Hydrogenics Hydrogen Fuel Cells Product Offerings
- Table 66. Hydrogenics Hydrogen Fuel Cells Sales (MW), Revenue (US\$, Mn) and Average Price (USD/KW) (2017-2022)
- Table 67. Honda Corporate Summary
- Table 68. Honda Hydrogen Fuel Cells Product Offerings
- Table 69. Honda Hydrogen Fuel Cells Sales (MW), Revenue (US\$, Mn) and Average Price (USD/KW) (2017-2022)
- Table 70. Hyundai Mobis Corporate Summary
- Table 71. Hyundai Mobis Hydrogen Fuel Cells Product Offerings
- Table 72. Hyundai Mobis Hydrogen Fuel Cells Sales (MW), Revenue (US\$, Mn) and Average Price (USD/KW) (2017-2022)
- Table 73. Toyota Denso Corporate Summary
- Table 74. Toyota Denso Hydrogen Fuel Cells Product Offerings
- Table 75. Toyota Denso Hydrogen Fuel Cells Sales (MW), Revenue (US\$, Mn) and Average Price (USD/KW) (2017-2022)
- Table 76. Elring Klinger Corporate Summary
- Table 77. Elring Klinger Hydrogen Fuel Cells Product Offerings
- Table 78. Elring Klinger Hydrogen Fuel Cells Sales (MW), Revenue (US\$, Mn) and Average Price (USD/KW) (2017-2022)
- Table 79. Bosch/Powercell Corporate Summary
- Table 80. Bosch/Powercell Hydrogen Fuel Cells Product Offerings
- Table 81. Bosch/Powercell Hydrogen Fuel Cells Sales (MW), Revenue (US\$, Mn) and Average Price (USD/KW) (2017-2022)
- Table 82. Symbio Corporate Summary
- Table 83. Symbio Hydrogen Fuel Cells Product Offerings
- Table 84. Symbio Hydrogen Fuel Cells Sales (MW), Revenue (US\$, Mn) and Average Price (USD/KW) (2017-2022)
- Table 85. Pearl Hydrogen Corporate Summary
- Table 86. Pearl Hydrogen Hydrogen Fuel Cells Product Offerings
- Table 87. Pearl Hydrogen Hydrogen Fuel Cells Sales (MW), Revenue (US\$, Mn) and Average Price (USD/KW) (2017-2022)

- Table 88. Sunrise Power Corporate Summary
- Table 89. Sunrise Power Hydrogen Fuel Cells Product Offerings
- Table 90. Sunrise Power Hydrogen Fuel Cells Sales (MW), Revenue (US\$, Mn) and Average Price (USD/KW) (2017-2022)
- Table 91. Hyster-Yale Group Corporate Summary
- Table 92. Hyster-Yale Group Hydrogen Fuel Cells Product Offerings
- Table 93. Hyster-Yale Group Hydrogen Fuel Cells Sales (MW), Revenue (US\$, Mn) and Average Price (USD/KW) (2017-2022)
- Table 94. Advent Technologies Corporate Summary
- Table 95. Advent Technologies Hydrogen Fuel Cells Product Offerings
- Table 96. Advent Technologies Hydrogen Fuel Cells Sales (MW), Revenue (US\$, Mn) and Average Price (USD/KW) (2017-2022)
- Table 97. GenCell Corporate Summary
- Table 98. GenCell Hydrogen Fuel Cells Product Offerings
- Table 99. GenCell Hydrogen Fuel Cells Sales (MW), Revenue (US\$, Mn) and Average Price (USD/KW) (2017-2022)
- Table 100. Nikola Corporate Summary
- Table 101. Nikola Hydrogen Fuel Cells Product Offerings
- Table 102. Nikola Hydrogen Fuel Cells Sales (MW), Revenue (US\$, Mn) and Average Price (USD/KW) (2017-2022)
- Table 103. Hydrogen Fuel Cells Production Capacity (MW) of Key Manufacturers in Global Market, 2020-2022 (MW)
- Table 104. Global Hydrogen Fuel Cells Capacity Market Share of Key Manufacturers, 2020-2022
- Table 105. Global Hydrogen Fuel Cells Production by Region, 2017-2022 (MW)
- Table 106. Global Hydrogen Fuel Cells Production by Region, 2023-2028 (MW)
- Table 107. Hydrogen Fuel Cells Market Opportunities & Trends in Global Market
- Table 108. Hydrogen Fuel Cells Market Drivers in Global Market
- Table 109. Hydrogen Fuel Cells Market Restraints in Global Market
- Table 110. Hydrogen Fuel Cells Raw Materials
- Table 111. Hydrogen Fuel Cells Raw Materials Suppliers in Global Market
- Table 112. Typical Hydrogen Fuel Cells Downstream
- Table 113. Hydrogen Fuel Cells Downstream Clients in Global Market
- Table 114. Hydrogen Fuel Cells Distributors and Sales Agents in Global Market

List Of Figures

LIST OF FIGURES

Figure 1. Hydrogen Fuel Cells Segment by Type

Figure 2. Hydrogen Fuel Cells Segment by Application

Figure 3. Global Hydrogen Fuel Cells Market Overview: 2021

Figure 4. Key Caveats

Figure 5. Global Hydrogen Fuel Cells Market Size: 2021 VS 2028 (US\$, Mn)

Figure 6. Global Hydrogen Fuel Cells Revenue, 2017-2028 (US\$, Mn)

Figure 7. Hydrogen Fuel Cells Sales in Global Market: 2017-2028 (MW)

Figure 8. The Top 3 and 5 Players Market Share by Hydrogen Fuel Cells Revenue in 2021

Figure 9. By Type - Global Hydrogen Fuel Cells Sales Market Share, 2017-2028

Figure 10. By Type - Global Hydrogen Fuel Cells Revenue Market Share, 2017-2028

Figure 11. By Type - Global Hydrogen Fuel Cells Price (USD/KW), 2017-2028

Figure 12. By Application - Global Hydrogen Fuel Cells Sales Market Share, 2017-2028

Figure 13. By Application - Global Hydrogen Fuel Cells Revenue Market Share, 2017-2028

Figure 14. By Application - Global Hydrogen Fuel Cells Price (USD/KW), 2017-2028

Figure 15. By Region - Global Hydrogen Fuel Cells Sales Market Share, 2017-2028

Figure 16. By Region - Global Hydrogen Fuel Cells Revenue Market Share, 2017-2028

Figure 17. By Country - North America Hydrogen Fuel Cells Revenue Market Share, 2017-2028

Figure 18. By Country - North America Hydrogen Fuel Cells Sales Market Share, 2017-2028

Figure 19. US Hydrogen Fuel Cells Revenue, (US\$, Mn), 2017-2028

Figure 20. Canada Hydrogen Fuel Cells Revenue, (US\$, Mn), 2017-2028

Figure 21. Mexico Hydrogen Fuel Cells Revenue, (US\$, Mn), 2017-2028

Figure 22. By Country - Europe Hydrogen Fuel Cells Revenue Market Share, 2017-2028

Figure 23. By Country - Europe Hydrogen Fuel Cells Sales Market Share, 2017-2028

Figure 24. Germany Hydrogen Fuel Cells Revenue, (US\$, Mn), 2017-2028

Figure 25. France Hydrogen Fuel Cells Revenue, (US\$, Mn), 2017-2028

Figure 26. U.K. Hydrogen Fuel Cells Revenue, (US\$, Mn), 2017-2028

Figure 27. Italy Hydrogen Fuel Cells Revenue, (US\$, Mn), 2017-2028

Figure 28. Russia Hydrogen Fuel Cells Revenue, (US\$, Mn), 2017-2028

Figure 29. Nordic Countries Hydrogen Fuel Cells Revenue, (US\$, Mn), 2017-2028

Figure 30. Benelux Hydrogen Fuel Cells Revenue, (US\$, Mn), 2017-2028

Figure 31. By Region - Asia Hydrogen Fuel Cells Revenue Market Share, 2017-2028

Figure 32. By Region - Asia Hydrogen Fuel Cells Sales Market Share, 2017-2028

Figure 33. China Hydrogen Fuel Cells Revenue, (US\$, Mn), 2017-2028

Figure 34. Japan Hydrogen Fuel Cells Revenue, (US\$, Mn), 2017-2028

Figure 35. South Korea Hydrogen Fuel Cells Revenue, (US\$, Mn), 2017-2028

Figure 36. Southeast Asia Hydrogen Fuel Cells Revenue, (US\$, Mn), 2017-2028

Figure 37. India Hydrogen Fuel Cells Revenue, (US\$, Mn), 2017-2028

Figure 38. By Country - South America Hydrogen Fuel Cells Revenue Market Share, 2017-2028

Figure 39. By Country - South America Hydrogen Fuel Cells Sales Market Share, 2017-2028

Figure 40. Brazil Hydrogen Fuel Cells Revenue, (US\$, Mn), 2017-2028

Figure 41. Argentina Hydrogen Fuel Cells Revenue, (US\$, Mn), 2017-2028

Figure 42. By Country - Middle East & Africa Hydrogen Fuel Cells Revenue Market Share, 2017-2028

Figure 43. By Country - Middle East & Africa Hydrogen Fuel Cells Sales Market Share, 2017-2028

Figure 44. Turkey Hydrogen Fuel Cells Revenue, (US\$, Mn), 2017-2028

Figure 45. Israel Hydrogen Fuel Cells Revenue, (US\$, Mn), 2017-2028

Figure 46. Saudi Arabia Hydrogen Fuel Cells Revenue, (US\$, Mn), 2017-2028

Figure 47. UAE Hydrogen Fuel Cells Revenue, (US\$, Mn), 2017-2028

Figure 48. Global Hydrogen Fuel Cells Production Capacity (MW), 2017-2028

Figure 49. The Percentage of Production Hydrogen Fuel Cells by Region, 2021 VS 2028

Figure 50. Hydrogen Fuel Cells Industry Value Chain

Figure 51. Marketing Channels

I would like to order

Product name: Hydrogen Fuel Cells Market, Global Outlook and Forecast 2022-2028

Product link: <https://marketpublishers.com/r/HEE6EC8F6677EN.html>

Price: US\$ 3,250.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/HEE6EC8F6677EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970